# PCT

## **REQUEST**

For receiving Off	fice use only			
International Application No.				
International Filing Date	·			
Name of receiving Office and "PCT International Application"				
Applicant's or agent's file reference	06865-00030-050			

The undersigned requests that the prese	ent	Name of receiving Offic	e and "PCT International Application"			
international application be processed according to the Patent Cooperation Tre		Applicant's or agent's file (if desired) (12 characte				
Box No. 1 TITLE OF INVENTION						
INORGANIC POWDERS WITH SELECTIVIT	INORGANIC POWDERS WITH SELECTIVITY TOWARDS CARBON MONOXIDE, HCN, or NO					
Box No. II APPLICANT	This pe	rson is also inventor				
Name and address: (Family name followed by given name; The address must include postal code and name of country. The Box is the applicant's State (that is, country) of residence if no Sta	e country of t	he address indicated in this	Telephone No. 804-274-2045 Facsimile No.			
PHILIP MORRIS PRODUCTS, S.A.			804-274-4780			
Quai Jearnrenaud 3, CH-2000 Neuchatel			Teleprinter No.			
Switzerland			Applicant's registration No. with the Office			
State (that is, country) of nationality:		State (that is, count	ry) of residence: CH			
	l designated S e United Stat		Inited States the States indicated in the Supplemental Box			
Box No. III FURTHER APPLICANT(S) AN	D/OR (FU	RTHER) INVENTO	R(S)			
Name and address: (Family name followed by given name: The address must include postal code and name of country. The Box is the applicant's State (that is, country) of residence if no Sta  THE UNIVERSITY OF MAINE Orono, Maine 04469 United States of America	e country of t	he address indicated in this	This person is:    X   applicant only     applicant and inventor     inventor only (If this check-box is marked, do not fill in below.)   Applicant's registration No. with the Office			
State (i.e. country) of nationality: US		State (i.e. country)	of residence: US			
	l designated S e United Stat		Inited States the States indicated in the Supplemental Box			
X Further applicants and/or (further) inventors a	re indicated	on a continuation sheet.				
Box No. IV AGENT OR COMMON REPRI	ESENTAT	IVE; OR ADDRESS I	FOR CORRESPONDENCE			
The person identified below is hereby/has been appoint of the applicant(s) before the competent International	Authorities	as:	ent common representative			
Name and address: (Family name followed by given designation. The address must inc			(302) 658-9141			
PEZZNER, Ashley I. Connolly Bove Lodge & Hutz LLP		Facsimile No. (302) 658-5614				
1007 North Orange Street P.O. Box 2207		•	Teleprinter No.			
Wilmington, Delaware 19899 United States of America			Agent's registration No. with the Office 35, 646			
Address for correspondence: Mark this che space above is used instead to indicate a speci						

#### Sheet No. 2 of 5

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)						
If none of the following sub-boxes is used, this sheet should not be included in the request.						
Name and address: (Family name followed by given name; for a legal e The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of residen	the address indicated in this					
DESISTO, William 8 Page Place Orono, Maine 04473	applicant and inventor  x inventor only (If this check-box is					
United States of America	marked, do not fill in below.)					
	Applicant's registration No. with the Office					
State (that is, country) of nationality: US	State (that is, country) of residence: US					
	States except X the United States the States indicated in the Supplemental Box					
Name and address: (Family name followed by given name; for a legal e						
The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of residen	the address indicated in this					
CASHON, Robert 33 North Fourth Street	applicant and inventor					
Old Town, Maine 04468	x inventor only (If this check-box is					
United States of America	marked, do not fill in below.) Applicant's registration No. with the Office					
State (that is accurated of estimation	I Constitution of the Cons					
State (that is, country) of nationality: US	State (that is, country) of residence: US					
	ates of America X of America only the Supplemental Box					
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of residen	the address indicated in this					
MCCOOL, Benjamin	applicant and inventor					
33 Oak Street Old Town, Maine 04468	x inventor only (If this check-box i.					
United States of America	marked, do not fill in below.)  Applicant's registration No. with the Office					
State (that is, country) of nationality: US	State (that is, country) of residence: US					
	ites of America					
Name and address: (Family name followed by given name; for a legal e The address must include postal code and name of country. The country of	ntity, full official designation. This person is:					
Box is the applicant's State (that is, country) of residence if no State of residen						
KARLES, Georgios D.	applicant and inventor					
1182 Summer Stream Drive Richmond, Virginia 23233	x inventor only (If this check-box is					
United States of America  United States of America  Applicant's registration No. with the Office						
State (that is, country) of nationality:  US  State (that is, country) of residence:  US  US						
This person is applicant all designated all designated for the purposes of:	States except x the United States the States indicated in the Supplemental Box					
Further applicants and/or (further) inventors are indicated on another continuation sheet.						

### Sheet No. 3 of 5

Box No. V	DESIGNATION OF ST	ATE	S	Mark the applicable check-b	oxes;	at lea	ist one must be marked.	
The following	g designations are hereby made t	ınder	Rule	4.9(a):				
Regional P	atent							
X AP	·							
X EA	Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT							
x EP	P European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey and any other State which is a Contracting State of the European Patent Convention and of the PCT							
X OA	GN Guinea, GQ Equatorial Guinea,	, GW	Guine	a-Bissau, ML Mali, MR Mauritani	ia, NE	Niger	nte d'Ivoire, CM Cameroon, GA Gabon, r, SN Senegal, TD Chad, TG Togo, and	
National Pa	atent (if other kind of protection	ı or t	reatm	ent desired, specify on dotted	d line	):		
X AE	United Arab Emirates	х	HR	Croatia	x	ОМ	Oman	
X AG	Antigua and Barbuda	Ī	HU	Hungary	<u> </u>	PG	Papua New Guinea	
X AL	Albania		ID	Indonesia	Ä	PH	Philippines	
X AM	Armenia	=	IL	Israel		PL	Poland	
X AT	Austria		IN	India		PT	Portugal	
X AU	Australia		IS	lceland	岩	RO	Romania	
X AZ	Azerbaijan	=	JP	Japan	=	RU	Russian Federation	
X BA	Bosnia and Herzegovina		KE	Kenya	لكا	K.	Russian rederation	
X BB	Barbados	품	KG	Kyrgyzstan	<u> </u>	sc		
		=	KP	Democratic People's Republic	=		Seychelles	
X BC	Bulgaria	Ľ	. K.F	•	LX.	SD	Sudan	
X BR	Brazil			of Korea	LX.	SE	Sweden	
BY	Belarus	벌	KR	Republic of Korea	LX.	SG	Singapore	
X BZ	Belize	M	ΚZ	Kazakhstan	X	SK	Slovakia	
X CA	Canada	X	LC	Saint Lucia	X	SŁ	Sierra Leone	
х сн	& LI Switzerland and Liechtenstein	X	LK	Sri Lanka	$\square$	SY	Syrian Arab Republic	
X CN	China	X	LR	Liberia	X	TJ	Tajikistan	
x co	Columbia	X	LS	Lesotho	x	TM	Turkmenistan	
X CR	Costa Rica	$\mathbf{x}$	LT	Lithuania	х	TN	Tunisia	
x CU	Cuba	х	LU	Luxembourg	$\mathbf{x}$	TR	Turkey	
x CZ	Czech Republic	х	LV	Latvia	X	TT	Trinidad and Tobago	
X DE	Germany	x	MA	Morocco				
X DK	Denmark	x	MD	Republic of Moldova	$\mathbf{x}$	TZ	United Republic of Tanzania	
x DM	Dominica				х	UA	Ukraine	
X DZ	Algeria	х	MG	Madagascar	$\bar{\mathbf{x}}$	υG	Uganda	
X EC	Ecuador	$\Box$ x	MK	The former Yugoslav Republic	x	US	United States of America	
x EE	Estonia			of Macedonia				
x ES	Spain	х	MN	Mongolia	x	UZ	Uzbekistan	
x FI	Finland	x	MW	Malawi	$\overline{\mathbf{x}}$	vc	Saint Vincent and the Grenadines	
x GB	United Kingdom	$\overline{\Box}$	MX	Mexico	$\overline{\mathbf{x}}$	VN	Viet Nam	
│ 🛣 GD	Grenada	$\overline{\mathbf{x}}$	MZ	Mozambique	鬲	YU	Serbia and Montenegro	
X GE	Georgia	$\overline{\mathbf{x}}$	NI	Nicaragua		ZA	South Africa	
х сн	Ghana	$\overline{\mathbf{x}}$	NO	Norway	×	ZM	Zambia	
X GM			NZ	New Zealand	=	zw	Zimbabwe	
	pelow reserved for designating States							
Precaution	ary Designation Statement: In	additi	on to	the designations made above, the	e appl	icant a	also makes under Rule 4.9(b) all other	
Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)								

### Sheet No. 4 of 5

### Box No. VI PRIORITY CLAIM

Priority of the following ea	rlier application(s) is hereby claime	d:						
Filing Date	N		Where earlier application is:					
of earlier applicati (day/month/year		national application: country or Member of WTO	regional application:* regional Office	international application receiving Office				
26 November (26.11.2	1 607470707	us						
item (2)								
item (3)								
item (4)								
item (5)								
Further priority cla	ims are indicated in the Supplement	tal Box.		1:				
if the earlier application widentified above as:     X   all items      * Where the earlier application widentified above as:	uested to prepare and transmit to the as filed with the Office which for the item (1) item (2) item is an ARIPO application, indicate fember of the World Trade Organizati	e purposes of this interno item (3) item ( at least one country party	ational application is th  item (5)  to the Paris Convention )	e receiving Office)  other, see Supplemental Box for the Protection of				
Box No. VII INTERN	ATIONAL SEARCHING AUTI	HORITY						
	earching Authority (ISA) (If two or e the Authority chosen: the two-letter		thing Authorities are com	petent to carry out the				
ISA/US				•				
Request to use results of International Searching Auto	earlier search; reference to that se hority):	earch (if an earlier search	has been carried out by	or requested from the				
Date (day/month/year)	Number		Country (or regional O	ffice)				
Box No. VIII DECLA	RATIONS		~ <del>~~</del>					
	is are contained in Boxes Nos. VIII (cate in the right column the number of			Number of declarations				
Box No. VIII (i)	Declaration as to the identity of	the inventor		:				
Box No. VIII (ii)		Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent						
Box No. VIII (iii)		Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application						
Box No. VIII (iv)	Declaration of inventorship (on United States of America	ly for the purposes of the	e designation of the	:				
Box No. VIII (v)	Declaration as to non-prejudici	al disclosures or exception	ons to lack of novelty	:				

### Sheet No. 5 of 5

Box No. IX CHECK LIST; LANGUAGE OF FILING						
This international application contains:	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in	Number of items				
(a) in paper form, the following number of sheets:	right column the number of each item):  1. x fee calculation sheet	1				
request (including declaration sheets) : 5	2. original separate signed power of attorney					
description (excluding sequence listings and/or tables related thereto) : 17	original general power of attorney      copy of general power of attorney; reference number,					
claims : 4	if any:	1				
abstract : 1 drawings : 14	6. priority document(s) identified in Box No. VI as					
Sub-total number of sheets : 41 sequence listings :	item(s): 7. translation of international application					
tables related thereto (for both, actual number of sheets	into (language):  8. separate indications concerning deposited microorganisms or					
if filed in paper form, whether or not also filed in computer readable form; see (c) below)	other biological material  g sequence listing in computer readable form	• ,				
Total number of sheets : 41	(i.) (indicate type and number of carriers) (i.) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international	:				
(b) only in computer readable form (Section 801(a)(i))	application) (ii.) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the	:				
(i) sequence listings (ii) tables related thereto	purposes of international search under Rule 13 <i>ter</i> (iii.) together with relevant statement as to the identity of the copy or	:				
(c) also in computer readable form (Section 801(a)(ii)) (i) sequence listings	copies with the sequence listings part mentioned in left column  10. tables in computer readable form related to sequence listings  (indicate type and number of carriers)					
(ii) tables related thereto Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(i.) copy submitted for the purposes of international search under Section 802 (b-quarter) only (and not as part of the international application)  (ii.) (only where check-bax (b)(ii) or (c)(ii) is marked in left column) additional copies including where applicable, the copy for the					
sequence listings:	purposes of international search under Section 802 (b-quarter)  (iii.) together with relevant statement as to the identity of the copy	:				
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	or copies with the tables mentioned in left column  11. other (specify):	:				
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English					
Box No. X SIGNATURE OF APPLICA Next to each signature, indicate the name of the person:	NT, AGENT OR COMMON REPRESENTATIVE signing and the capacity in which the person signs (if such capacity is not obvious from reading the	e request).				
Ashley I. Pezzner, Agent CONNOLLY BOVE LODGE & HU	for Applicant(s)					
Date of actual receipt of the purported	For receiving Office use only					
international application:	2. Dra	received:				
Corrected date of actual receipt due to a drawings completing the purported interval and the drawings corrections under PCT Article 11(2):	mational application:	not received:				
	SA / Transmittal of search copy delayed until search fee is paid.					
	For International Bureau use only					
Date of receipt of the record copy by the International Bureau:						

This sheet is not part of and does not count as a sheet of the international application.

#### - For receiving Office use only PCT FEE CALCULATION SHEET International application No. Annex to the Request Date stamp of the receiving Office Applicant's or agent's 06865-00030-USU file reference PHILIP MORRIS PRODUCTS, INC., et al. **Applicant** CALCULATION OF PRESCRIBED FEES 1. TRANSMITTAL FEE . . . . 240.00 T 700.00 S 2. SEARCH FEE . . . International search to be carried out by (If two or more International Searching Authorities are competent to carry out the international search, indicate the name of the Authority which is chosen to carry out the international search.) 3. INTERNATIONAL FEE Basic Fee Where item (b) and/or (c) of Box No. IX apply, enter Sub-total number of sheets 41 Where item (b) and (c) of Box No. IX do not apply, enter Total number of sheets ы 476.00 first 30 sheets . . . ы 132.00 ь2 11 number of sheets in fee per sheet excess of 30 additional component (only if sequence listing and /or tables related thereto are filed in computer readable form under Section 801(a)(i), or both in that form and on paper, under Section 801(a)(ii)): ы 400 x fee per sheet 608.00 В Add amounts entered at b1, b2 and b3 and enter total at B. Designation Fees The international application contains designations. 520.00 5 104.00 number of designation fees amount of designation fee payable (maximum 5) 1,128.00 Add amounts entered at B and D and enter total at I . . . . . . . . (Applicants from certain States are entitled to a reduction of 75% of the international fee Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.) 20.00 FEE FOR PRIORITY DOCUMENT (if applicable) \$ 2,088.00 TOTAL Add amounts entered at T, S, I and P, and enter total in the TOTAL box The designation fees are not paid at this time. MODE OF PAYMENT authorization to charge postal money order cash coupons deposit account (see below) bank draft revenue stamps other (specify) cheque AUTHORIZATION TO CHARGE (OR CREDIT) DEPOSIT ACCOUNT (This mode of payment may not be available at all receiving Offices) US Receiving Office: RO/ Authorization to charge the total fees indicated above. 03-2775 Deposit Account No.: This check-box may be marked only if the conditions for deposit 25 November 2003 Date: accounts of the receiving office so permit) Authorization to charge any deficiency or credit any overpayment in the total fees indicated Ashley Name: Pezzner Authorization to charge the fee for priority document. Signature: